

Calendar

Wednesday, Sept. 5

THERE WILL BE NO FERMILAB ILC R&D MEETING THIS WEEK

3:30 p.m.

DIRECTOR'S COFFEE BREAK - 2nd Flr X-Over
THERE WILL BE NO FERMILAB COLLOQUIUM THIS WEEK

Thursday, Sept. 6

1 p.m.

ILC ALCPG Physics and Detector R&D Seminar - Hornets Nest, WH-8XO
Speaker: M. Woods, Stanford Linear Accelerator Center
Title: Recent ILC Beam Tests at SLAC's End Station A; Plans for FY08 and Beyond

1:30 p.m.

Particle Astrophysics Seminar - Comitium (NOTE DATE, TIME, LOCATION)
Speaker: B. O'Shea, Los Alamos National Laboratory
Title: Population III Stars and the Formation of the First Protogalaxies

2:30 p.m.

Theoretical Physics Seminar - Curia II
Speaker: M. Weber, State University of New York, Buffalo
Title: Precise Predictions for H -> WW/ZZ -> 4 Fermion Decays with PROPHECY4f

3:30 p.m.

DIRECTOR'S COFFEE BREAK - 2nd Flr X-Over
THERE WILL BE NO ACCELERATOR PHYSICS AND TECHNOLOGY SEMINAR TODAY

[Click here for NALCAL](#), a weekly calendar with links to additional information.

Weather

Feature

Securing Fermilab savannas



Fermilab Natural Areas

Inside the Tevatron ring sits one of the largest natural savannas in Illinois. But without some financial help, it could soon disappear.

"In some places you almost can't walk through it, it is so overgrown," said Rod Walton, a Fermilab scientist and member of a new not-for-profit board taking on saving the rare habitat. "Savannas are very tricky to maintain. And if they get away from you, they are difficult to get back."

Walton helped launch Fermilab Natural Areas to capture money for increased conservation, ecological research and outreach around the lab. The group just started collecting donations in hopes of securing a \$25,000 matching grant from the state to eliminate the raspberry patches, black cherry trees and dogwood trees squeezing out nearly two-thirds of the 35-acre savanna.

Saving the savanna also contributes to the continuation of the laboratory's seed program, which supplies area schools, parks and forest preserves with natural plant seed. Next year, the group plans to take over funding the Robert Bertz Memorial internship program that was started this summer. The internship currently entails collecting native seeds and mapping the health of plant life throughout the lab. Other future projects for Fermilab Natural Areas include: launching small research programs in the National Environmental Research Park, expanding ecological internships and spreading the message of the laboratory's value as a home to acres of open

From the Particle Physics Division

Pulling together

Today's column is written by Particle Physics Division head Jim Strait.

We are now well into the shutdown, a special phase of the laboratory's operating calendar. Many jobs that can only be done when the accelerators are off must be accomplished during this time. Because beam time is



Jim Strait

precious, the repairs and upgrades to be done during the shutdown must be completed as quickly as possible to minimize the loss of data-taking time. To meet this challenging goal - and meet it safely - the whole lab has to pull together.

Many employees have been reassigned from their normal jobs to work on upgrades to and maintenance of the accelerators and experiments. Almost 50 PPD employees are working on projects in the accelerator complex, and others are performing crucial repairs and maintenance of the experiments, especially CDF and Dzero. In the Linac, PPD employees are providing support for the MuCool project. In the Booster, they are installing new correctors and modifying the water system. PPD employees also are performing a myriad tasks in the Main Injector, including installing new collimators. They are installing new equipment in the Electron Cooling system for the Recycler, and helping with maintenance of the Antiproton Source. In the Tevatron, PPD employees are unrolling quads, doing vacuum work and carrying out maintenance. Across the accelerator complex, PPD employees are surveying and realigning the machines and the newly installed devices.

For some, the reassignments are a welcome break in their routine and an opportunity to see what else is going on at the lab. For others, it may be an unwelcome diversion from their own work. Either way, the work they are doing is of the utmost importance for the future scientific output of Fermilab.

**Sunny 90°/67°**[Extended Forecast](#)
[Weather at Fermilab](#)**Current Security Status**[Secon Level 3](#)**Wilson Hall Cafe****Wednesday, Sept. 5**

- Portabello harvest grain
- Santa Fe chicken quesadilla
- Terkiyaki chicken w/vegetables
- Beef stroganoff
- Triple decker club
- Assorted sliced pizza
- Pesto shrimp linguini w/leeks & tomatoes

[Wilson Hall Cafe Menu](#)**Chez Leon****Wednesday, Sept. 5 Lunch**

- Cumin and chipotle glazed pork loin w/apple salsa
- Roasted sweet potatoes
- Pear tart

Thursday, Sept. 6 Dinner

- Tomato & mozzarella salad
- Stuffed fillet of sole w/ crabmeat
- Vegetable medley
- Chocolate soufflé w/amaretto crème anglais

[Chez Leon Menu](#)

Call x4598 to make your reservation.

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space.

Using donations to secure the laboratory's reputation as home to pristine open space increases the chance that if the lab ever downsizes, elected officials would turn the excess land into a park rather than a mall, Walton said. Argonne National Laboratory near Darien had such success about 20 years ago. Portions of the lab were converted into Waterfall Glen Forest Preserve. The idea for Fermilab Natural Areas took root about 1 ½ years ago with a group of Fermilab employees, an ecological advisor from Morton Arboretum in Lisle and the support of the Fermi Research Alliance, which includes the University of Illinois.

The fundraising vehicle is modeled after the successful Fermilab Friends for Science Education that is run out of the education office. With little extra money around the lab, the group will take on the projects everyone wants to do, but can't afford by taping donations and grant monies.

Tax-deductible donations may be made to Fermilab Natural Areas, PO Box 500, MS 214, Batavia, IL, 60510. For more information, contact Rod Walton at (630) 840-2565.

-- Tona Kunz

Milestone**Fermilab's "mother hen" retires Thursday**

Dianne Snyder

When Dianne Snyder says her final farewells at a retirement coffee Sept. 6, Fermilab will lose its "mother hen". Having spent the last 11 years of her 29-year career in the User's Center Snyder has taken thousands of graduate students, visiting scientists and their families under her wing. She guides them through the process of getting to the laboratory, the plethora of experiments onsite and how to find things in the surrounding communities. "Dianne would be the beacon that they would be drawn to in order to get help with their situations," said Jack Hawkins, accommodations manger in the Business Section Services. She has arraigned for rental cars and visas, taken reservations for Chez

The versatility of Fermilab's staff and their willingness to work towards common goals are among the things that make Fermilab the great place it is.

In the News**Scientific showdown takes shape****From *Chicago Tribune*, Sept. 5, 2007***Fermilab hopes to find elusive particle before Swiss site opens*

GENEVA, Switzerland - More than 300 feet beneath the suburbs and sunflower fields at the French-Swiss border lies a high-tech beast that may signal the doom of Fermilab.

The particle accelerator called the Large Hadron Collider is coming to life in tunnels and caverns that crackle with the anticipation of an enterprise at the leading edge of physics. For 40 years, that vaunted role belonged to Fermi National Accelerator Laboratory, bringing the Chicago area civic prestige and unique academic clout, but that's about to change.

[Read more](#)**Sidebar:****What gives Europe a boost****From *Chicago Tribune*, Sept. 5, 2007**

Considering all the advantages of American wealth and know-how, how did Europe manage to build a physics facility that is pushing Fermilab to the brink of obsolescence?

Much of the explanation stems from the impressive funding and long-term commitment that 20 European nations have given to CERN, the physics organization that runs the Large Hadron Collider.

[Read more](#)**Announcements**

Info

Fermilab Today
is online at:
www.fnal.gov/today/

Send comments and
suggestions to:
today@fnal.gov

Leon, found housing and simply lended a friendly ear when needed.

"Dianne was un-failingly helpful and always made me, and members of my research group feel welcome at the lab," said William Trischuk, who met Snyder first as a researcher and later worked with her as a past chairman of the User's Executive Committee.

Many of the researchers who started out as clients became like family as she witnessed them grow in their work and in their personal lives. "I have made friends that are in Russian, Italy...all over," she said. "From the Children's Center, I remember some people from when they were babies and now they are in college. Their parents still work here, and I still see them."

Snyder started working at the laboratory cleaning buildings in the Housing Office after a friend kept nagging her to apply for a job. She moved on to the User's Office. She also created the file maker program for the housing office and the billing program for the Children's Center. Snyder's adaptation of Fermi policies to DOE changes in visa and passport rules reduced the bureaucratic burden on foreign scientists, Trischuk said. "She was just faced with really a huge workload and she definitely took it on with a happy face," Hawkins said. "She was always light-hearted, very efficient and dedicated to a fault." She would volunteer to stay later or work weekends to get meetings and events ready for the User's Executive Committee, said Borys Jurkiw, manager of Human Resource Services.

-- *Tona Kunz*

Have a safe day!**Muscle Toning Class begins Sept. 6**

Get a head start in getting fit and have fun doing it by joining the muscle toning classes. Gain strength, lean body mass and increase muscle definition with the Recreation Facility strength training classes held on Tuesday and Thursday in the Recreation Facility from 5:30-6:30 p.m. The next class will run four weeks, Sept. 6-27, and will cost \$36.

Heart health risk assessment

Fermilab Wellness Works Committee and Delnor-Community Hospital will present a "Know Your Heart Health Risk Assessment" screening on Thursday, Sept. 6, and Thursday, Sept. 27, from 6:30 to 11 a.m. The event is open to new participants only.

Humorous video on meetings today

Today, from noon to 1 p.m. in One West, there will be a showing of "Meetings Bloody Meetings," a humorous BBC "training" program about meetings and how to do them right (or not at all), starring British actor/producer John Cleese.

International Folk Dancing Thursday

International Folk Dancing will meet Thursday, Sept. 6, at Kuhn Barn on the Fermilab site, moving back to the barn for the fall season. Dancing begins at 7:30 p.m. with teaching and children's dances earlier in the evening and request dancing later on. Newcomers are welcome and you do not need to come with a partner. For info contact 630-584-0825 or 630-840-8194 or folkdance@fnal.gov.

Microsoft database management system

Learn Microsoft's database management system, starting with a primer of database theory. Explore Access's objects such as tables, forms, reports and queries. Learn how to create a table, and how to modify your already made tables. [Learn more and enroll](#)

[Additional Activities](#)